

CITY OF KANSAS CITY, MISSOURI

PUBLIC WORKS DEPARTMENT

GREGORY BOULEVARD STREETScape

60% SUBMITTAL - APRIL 2021

NOT FOR CONSTRUCTION

PROJECT NO.:

(T48N, R33W)



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APPROVED BY _____
PROJECT MANAGER

CITY ENGINEER

DIRECTOR OF PUBLIC WORKS

ENTRY NO. _____

PROJECT NO. _____ C.D. NO. _____

LENGTH OF PROJECT	
END OF PROJECT	STA 36+19.59 CL GREGORY BLVD
BEGINNING OF PROJECT	STA 10+00.00 CL GREGORY BLVD
PROJECT LENGTH	2619.59 FEET
EQUATIONS & EXCEPTIONS	N/A
TOTAL PROJECT LENGTH	2619.59 FEET (0.496 MILES)

TREKK
DESIGN GROUP, LLC
1411 E 104th St
Kansas City, MO 64131
Tel (816) 874-4655
Cert. of Authority: 2002010300

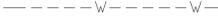
HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 Kirk Drive
Kansas City, MO 64105
Phone: 816-472-1201

SCALE FOR 22"x34":
NOT TO SCALE
FILENAME:
75525 - G001.dgn
CONTRACT NO.:
VOLUME:
#1
DRAWING NO.:
SHEET NO.:
G001 1

GENERAL NOTES

- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT "CITY STANDARDS" AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT, KANSAS CITY, MISSOURI, EXCEPT AS NOTED.
- THIS PROJECT WAS BASED ON BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY THE CITY OF KANSAS CITY, MISSOURI AND TREKK. THE ORIGINAL SURVEY WAS LATER SUPPLEMENTED BY TREKK.
- ALL MANHOLES, CATCH BASINS, UTILITY VALVES, AND METER PITS SHALL BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION. EROSION CONTROL SYSTEMS AND PROCEDURES SHALL BE IN PLACE PRIOR TO GRADING OPERATIONS.
- THE INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR MAKING HIS OWN VERIFICATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- DURING CONSTRUCTION, ACCESS SHALL BE MAINTAINED FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC. THE FIRE, POLICE, XXX-XXX AND PUBLIC WORKS DEPARTMENT ARE TO BE NOTIFIED PRIOR TO ANY STREET CLOSURES. A PERMIT IS REQUIRED FROM STREET AND TRAFFIC DIVISION FOR STREET CLOSURES. NO STREET WILL BE CLOSED WITHOUT THE APPROVAL OF THE CITY ENGINEER OR AS NOTED HEREIN.
- THE CITY OF KANSAS CITY, MISSOURI SHALL PROVIDE EARTHWORK AND MATERIAL TESTING SERVICES.
- CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CONTRACTOR AS OUTLINED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR REMOVALS OR RELOCATIONS OF UNDERGROUND MAINS, UNDERGROUND SERVICE LINES AND ABOVE GROUND UTILITY APPURTENANCES (SUCH AS POWER POLES) SEEN OR UNSEEN WITHIN THE GRADING LIMITS THAT ARE IN CONFLICT WITH PROPOSED CONSTRUCTION.
- ALL EXISTING ROADWAY SURFACES WITHIN THE GRADING LIMITS ARE TO BE REMOVED UNLESS INDICATED OTHERWISE.
- ALL EXISTING SIDEWALKS WITHIN THE GRADING LIMITS ARE TO BE REMOVED UNLESS INDICATED ON THE PLANS TO REMAIN IN PLACE.
- ALL LANDSCAPING, INCLUDING SHRUBS, WITHIN THE GRADING LIMITS SHALL BE REMOVED AS NECESSARY FOR PROPOSED CONSTRUCTION UNLESS INDICATED ON THE PLANS TO LEAVE IN PLACE. SALVAGE ITEMS TO PROPERTY OWNERS AS REQUESTED.
- ALL DISTURBED LAWN AND GRASSED AREAS SHALL BE SODDED UNLESS NOTED OTHERWISE ON THE PLANS.
- SAWCUT EXISTING PAVEMENT, INCLUDING SIDEWALKS, FULL DEPTH WHERE IT MEETS NEW PAVEMENT.
- CONTRACTOR SHALL RESET ALL PROPERTY SURVEY MONUMENTS, INCLUDING PROPERTY CORNERS, SECTION CORNERS, AND KCMO BENCHMARKS, DESTROYED OR REMOVED DUE TO CONSTRUCTION.
- EXISTING WATER SERVICE VALVE COVERS WITHIN THE PROJECT ARE TO BE ADJUSTED TO MATCH FINAL GRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE REMAINING PORTIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR WHICH HE IS RESPONSIBLE PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWPPP AS REQUIRED BY FEDERAL, STATE, AND CITY REGULATIONS. REFER TO PROJECT SPECIFICATION SECTION XXXXX FOR ADDITIONAL INFORMATION.

SURVEY LEGEND

- POWER POLE  PP
- LIGHT POLE  LP
- TELEPHONE POLE  TP
- OVERHEAD CONTACT SYSTEM  OCS
- SIGNAL (PEDESTRIAN, TRAF. TRAIN)  PS,TS,TRAIN
- TRAFFIC MAST 
- ANCHOR  GUY
- UNDERGROUND POWER LINES  UGE
- OVERHEAD UTILITY LINES  UHE
- UNDERGROUND TELEPHONE LINES  UGT
- UNDERGROUND FIBER LINES  UFI
- UNDERGROUND CABLE TV LINES  CTV
- GAS LINE  G
- GAS SERVICE LINE  GS
- WATER LINE  W
- WATER SERVICE  W/S
- FIRE HYDRANT  FH
- WATER VALVE  WV
- WATER METER  WM
- WATER MANHOLE  WATER MH
- CURB STOP  CS
- SPRINKLER CONTROL BOX  SCB
- CABLE TV PEDESTAL  CATV PED
- ELECTRIC METER  EM
- ELECTRIC TRANSFORMER  TRANS
- PULL BOX  PB
- TELEPHONE PEDESTAL  TELE PED
- GAS METER  GV
- GAS VALVE  GV
- MAIL BOX  MB
- SIGN 
- TREE (DIA.)  12"
- PINE TREE (DIA.)  12"
- BUSH 
- TREE LINE 
- GUARD POST  GP
- FENCE 
- GUARD RAIL 
- YARD LIGHT  YL
- TRASH CAN 

PLAN LEGEND

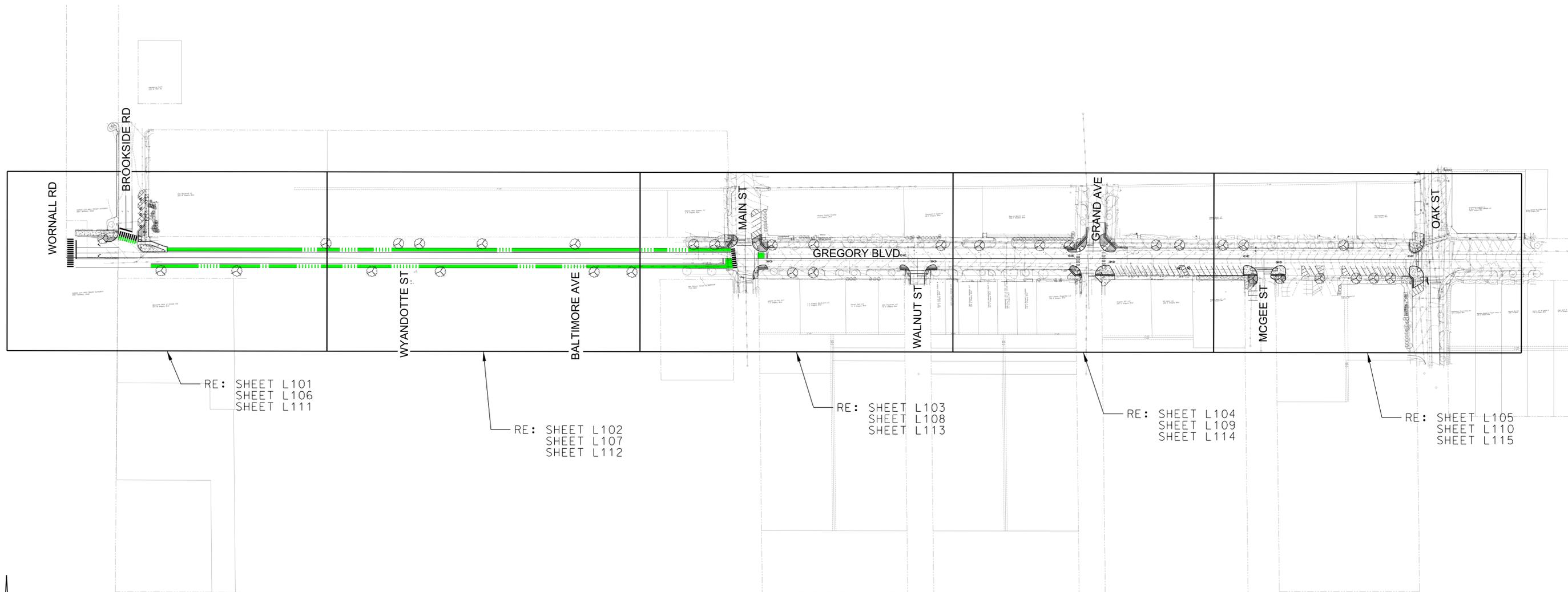
TYPICAL ABBREVIATIONS

- @ - AT
- & - AND
- ADA - AMERICANS WITH DISABILITIES ACT
- APWA - AMERICAN PUBLIC WORKS ASSOCIATION
- APPROX - APPROXIMATE
- AWWA - AMERICAN WATER WORKS ASSOCIATION
- BM - BENCHMARK
- BL - BASE LINE
- CJ - CONTROL JOINT
- CL - CENTER LINE
- CMP - CORRUGATED METAL PIPE
- CU FT - CUBIC FEET
- CU YD - CUBIC YARD
- DIA - DIAMETER
- DIP - DUCTILE IRON PIPE
- DWG - DRAWING
- EA - EACH
- EL - ELEVATION
- EQ - EQUAL
- ESMT - EASEMENT
- FH - FIRE HYDRANT
- FL - FLOW LINE
- FT - FEET
- K - RATE OF VERTICAL CURVATURE
- KCMO - CITY OF KANSAS CITY MISSOURI
- LF - LINEAR FEET
- MH - MANHOLE
- MUTCD - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
- NA - NOT APPLICABLE
- NTS - NOT TO SCALE
- PC - POINT OF CURVATURE
- PI - POINT OF INTERSECTION
- PL - PROPERTY LINE
- PVC - POINT OF CURVATURE ON VERTICAL CURVE
- PVC - POLYVINYL CHLORIDE PIPE
- PVT - POINT OF TANGENCY ON VERTICAL CURVE
- QTY - QUANTITY
- R - RADIUS
- RCAP - REINFORCED CONCRETE ARCH PIPE
- RCP - REINFORCED CONCRETE PIPE
- RE: - REFERENCE
- REV - REVISION
- R/W - RIGHT OF WAY
- ROW - RIGHT OF WAY
- SF - SQUARE FEET
- SY - SQUARE YARD
- STA - STATION
- STD - STANDARD
- THRU - THROUGH
- TYP - TYPICAL
- VC - VERTICAL CURVE
- W/ - WITH
- W/O - WITHOUT
- WL - WATER LINE
- WM - WATER METER
- WWF - WIELDED WIRE FABRIC

GRADING LEGEND

REV	DATE	DESCRIPTION	DESIGNED BY	WHM		60% SUBMITTAL	DATE: 04/02/21	<p>GREGORY BOULEVARD STREETScape</p> <p>GENERAL NOTES AND LEGENDS</p>	SCALE FOR 22"x34": NOT TO SCALE	
			CHECKED BY	CJH		<p>HNTB</p> <p>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</p>				FILENAME: 75525 - G002.dgn
			DRAWN BY	JWP						CONTRACT NO.:
			CHECKED BY	WHM						VOLUME: #1
			APPROVED BY					DRAWING NO.: SHEET NO.:		
PLOT DATE: 04/02/21			DATE	04/02/21		NOT FOR CONSTRUCTION		G002	2	

REV	DATE	DESCRIPTION	DESIGNED BY WHM		60% SUBMITTAL	DATE: 04/02/21	GREGORY BOULEVARD STREETScape QUANTITIES	SCALE FOR 22"x34": NOT TO SCALE	
			CHECKED BY CJH						FILENAME: 75525 - G003.dgn
			DRAWN BY JWP						CONTRACT NO.:
			CHECKED BY WHM						VOLUME: #1
			APPROVED BY						DRAWING NO.: SHEET NO.:
PLOT DATE: 04/02/21		12:04:02 PM	DATE 04/02/21		NOT FOR CONSTRUCTION		G003	3	



REV	DATE	DESCRIPTION

PLOT DATE: 04/02/21 12:04:23 PM

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	
DATE	04/02/21



60% SUBMITTAL DATE: 04/02/21

HNTB
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 Kansas City, MO 64105
 Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

GENERAL LAYOUT

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - G004.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
G004	4

SURVEYORS NOTES:

1. THIS EXHIBIT DOES NOT REPRESENT A BOUNDARY SURVEY.
2. UTILITIES SHOWN HEREON AS MARKED BY MISSOURI ONE-CALL, EXHIBITS/MAPS IF PROVIDED AND VISUAL OBSERVATION UNLESS OTHERWISE NOTED. THIS SURVEYOR MAKES NO GUARANTEE AS TO ACCURACY OR COMPLETENESS OF SAID LOCATES. CONTRACTOR TO FIELD VERIFY BEFORE ANY EXCAVATION.

COORDINATES SHOWN HEREON ARE BASED ON THE MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83 (2011), VERTICAL DATUM IS NAVD 88 AND ALL IS SHOWN IN U.S. SURVEY FEET. A TRIMBLE RB RTK RECEIVER WAS UTILIZED AND THE GPS BASE STATION FOR THE PROJECT WAS MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK. PROJECT INITIAL START DATE IS JUNE 2020.

PROJECT COORDINATES ARE CALCULATED FROM A POINT CENTRALIZED TO THIS SPECIFIC PROJECT, STARTING WITH MISSOURI STATE PLANE GRID FEET, APPLYING A COMBINED AVERAGE FACTOR OF 0.99990133 TO CREATE GROUND FEET AND THEN SUBTRACTING THE TWO FOR A CALCULATED SHIFT DIFFERENCE, THEN APPLYING THE CALCULATED SHIFT DIFFERENCE TO CREATE PROJECT COORDINATES.

CENTRALIZED POINT: GRID NORTHING 1031475.6290 EASTING 2763317.7203
 DIVIDE BY 0.99990133
 EQUALS GROUND NORTHING 1031577.4147 EASTING 27635904038
 SHIFT DIFFERENCE: NORTHING -101.7857 EASTING -272.6835

SHIFT DIFFERENCE: GROUND NORTHING -101.7857 = PROJECT NORTHING
 GROUND EASTING -272.6835 = PROJECT EASTING

CHECKED MISSOURI GEOGRAPHIC REFERENCE SYSTEM STATION JA-116

GRID METERS
 NORTHING 315521.089 / EASTING 841947.394 / ELEVATION 292.5

GROUND FEET
 NORTHING 1035274.2556 / EASTING 2762561.6543 / ELEVATION 959.64

PROJECT COORDINATES FEET
 NORTHING 1035172.4699 / EASTING 2762288.9708 / ELEVATION 959.64

MEASURED WITH TRIMBLE GPS
 NORTHING 1035172.3541 / EASTING 2762289.0180 / ELEVATION 959.61

HORIZONTAL AND VERTICAL CONTROL

CP 1 SET 1/2" IRON BAR AT NORTHWEST CORNER OF GREGORY BOULEVARD AND BROOKSIDE ROAD.

RM-1 17.85' @ 48° TO NEAR FACE OF LIGHT POLE
 RM-2 321.47' @ 266° TO NAIL AND SHINER IN NEAR FACE OF POWER POLE
 RM-3 16.17' @ 340° TO CHISELED BOX ON TOP OF CURB

NORTHING 1031556.067 / EASTING 2762155.446 / ELEVATION 975.28

CP 2 SET 1/2" IRON BAR AT THE SOUTHEAST CORNER OF GREGORY BOULEVARD AND WYANDOTTE STREET.

RM-1 20.64' @ 217° TO CENTER OF STORM MANHOLE
 RM-2 56.34' @ 275° TO CENTER OF STORM MANHOLE
 RM-3 8.98' @ 341° TO CENTER OF SANITARY MANHOLE

NORTHING 1031460.501 / EASTING 2762736.980 / ELEVATION 960.92

CP 3 SET 1/2" IRON BAR AT NORTHWEST CORNER OF GREGORY BOULEVARD AND MAIN STREET.

RM-1 12.82' @ 33° TO NEAR FACE OF LIGHT POLE
 RM-2 12.04' @ 243° TO CENTER OF STORM MANHOLE
 RM-3 14.90' @ 334° TO SE CORNER OF PERKINS SIGN POST

NORTHING 1031479.427 / EASTING 2763330.816 / ELEVATION 954.90

CP 4 SET MAG NAIL IN NORTH EDGE OF SIDEWALK ALONG NORTH SIDE OF GREGORY BLVD., EAST SIDE OF ENTRANCE TO PARKING LOT FOR BLDG. #20.

RM-1 52.75' @ 115° TO NEAR FACE OF LIGHT POLE
 RM-2 54.91' @ 268° TO NEAR FACE OF LIGHT POLE
 RM-3 49.74' @ 291° TO SE CORNER OF BLDG. #20

NORTHING 1031460.799 / EASTING 2763788.778 / ELEVATION 941.14

CP 5 SET 1/2" IRON BAR AT NW CORNER OF GREGORY BOULEVARD AND ROCKHILL ROAD.

RM-1 31.45' @ 77° TO CENTER OF SANITARY MANHOLE
 RM-2 42.28' @ 132° TO CENTER OF SANITARY MANHOLE
 RM-3 22.36' @ 262° TO CENTER OF STORM MANHOLE

NORTHING 1031441.436 / EASTING 2763998.235 / ELEVATION 933.46

CP 6 SET MAG NAIL AT SOUTHEAST CORNER OF GREGORY BOULEVARD AND MCGEE STREET.

RM-1 8.63' @ 228° TO NE CORNER OF GRATE INLET
 RM-2 53.06' @ 259° TO CENTER OF STORM MANHOLE
 RM-3 35.89' @ 278° TO CENTER OF SANITARY MANHOLE

NORTHING 1031352.974 / EASTING 2764386.691 / ELEVATION 946.60

CP 7 SET MAG NAIL AT NORTHWEST CORNER OF GREGORY BOULEVARD AND OAK ST.

RM-1 18.91' @ 107° TO CENTER OF WATER VALVE
 RM-2 14.20' @ 203° TO CENTER OF SANITARY MANHOLE
 RM-3 58.38' @ 251° TO WATER MANHOLE

NORTHING 1031406.458 / EASTING 2764657.766 / ELEVATION 963.32

BENCHMARK 1
 CHISELED BOX ON TOP OF CURB AT SOUTHEAST CORNER OF KCATA PARKING LOT, LOCATED AT THE NORTHEAST CORNER OF WORNALL ROAD AND GREGORY BLVD.
 ELEVATION = 976.34

BENCHMARK 2
 CHISELED BOX ON SOUTHEAST CORNER OF CURB INLET AT SOUTHEAST CORNER OF GREGORY BOULEVARD AND WYANDOTTE STREET.
 ELEVATION = 961.19

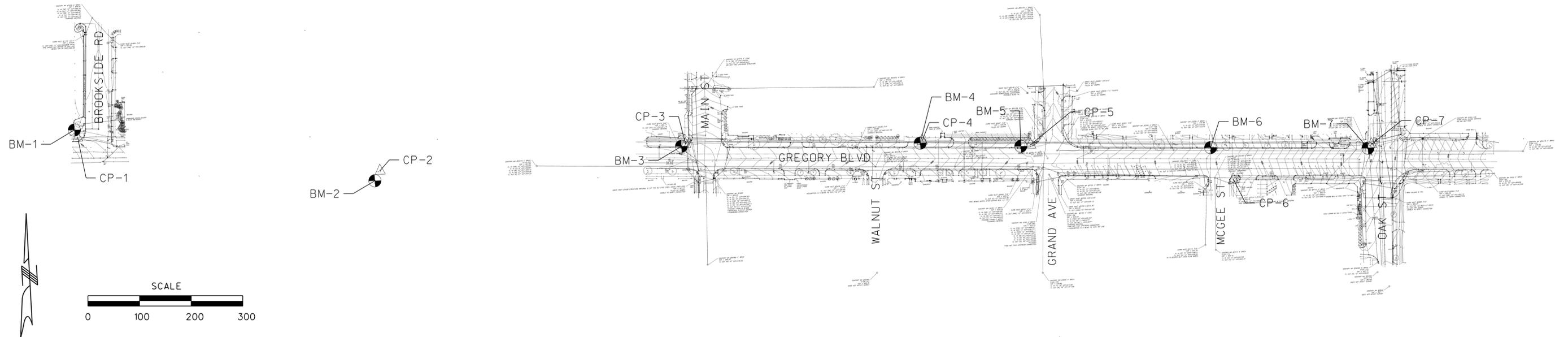
BENCHMARK 3
 CHISELED BOX ON NORTHEAST CORNER OF CURB INLET AT NORTHWEST CORNER OF GREGORY BOULEVARD AND MAIN STREET.
 ELEVATION = 955.14

BENCHMARK 4
 CHISELED BOX ON TOP OF CURB AT RETURN INTO PARKING LOT ENTRANCE, 20 EAST GREGORY BLVD.
 ELEVATION = 941.20

BENCHMARK 5
 CHISELED BOX ON NORTHEAST CORNER OF CURB INLET LOCATED AT THE NORTHWEST CORNER OF GREGORY BOULEVARD AND ROCKHILL ROAD.
 ELEVATION = 934.36

BENCHMARK 6
 CHISELED "X" ON WESTERN BONNET BOLT FOR FIRE HYDRANT LOCATED ON THE NORTH SIDE OF GREGORY BLVD AND MCGEE STREET.
 ELEVATION = 945.97

BENCHMARK 7
 CHISELED BOX ON TOP OF CURB AT RETURN OF EAST ENTRANCE FOR BUILDING #340.
 ELEVATION = 963.00



REV	DATE	DESCRIPTION

PLOT DATE: 04/02/21 12:04:32 PM

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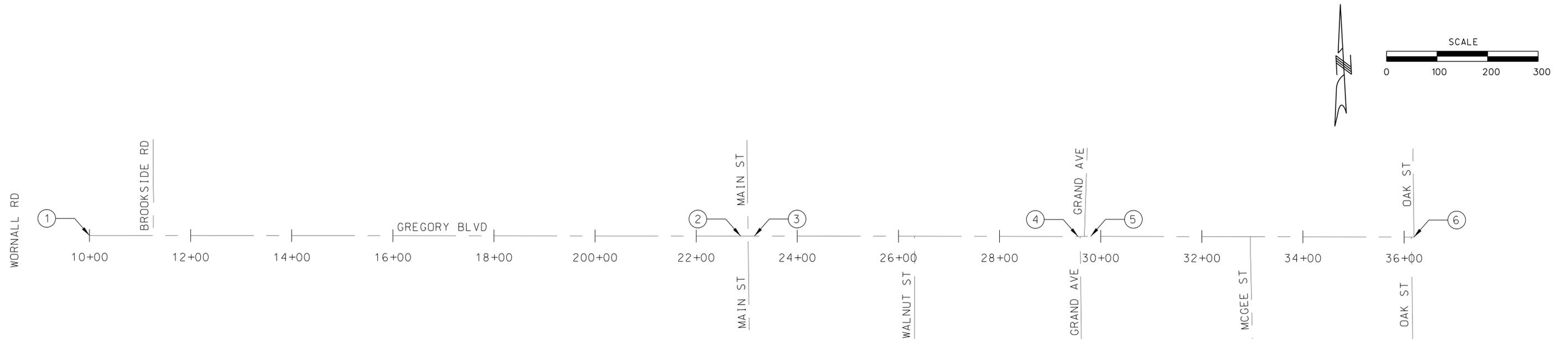
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GREGORY BOULEVARD STREETScape

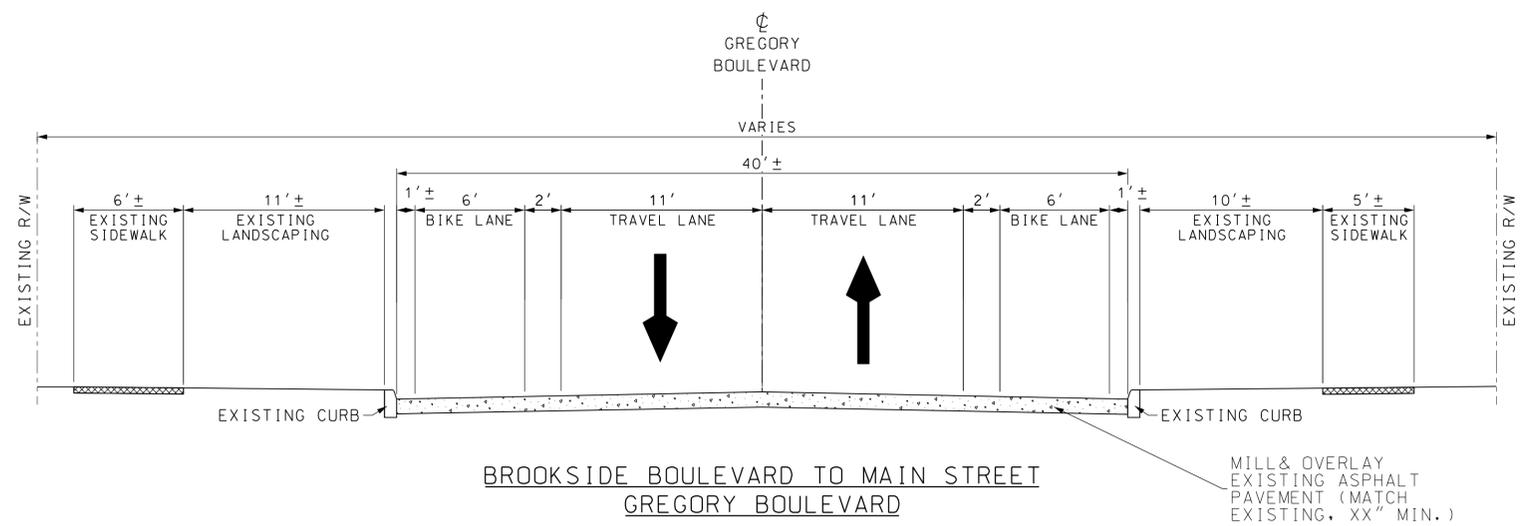
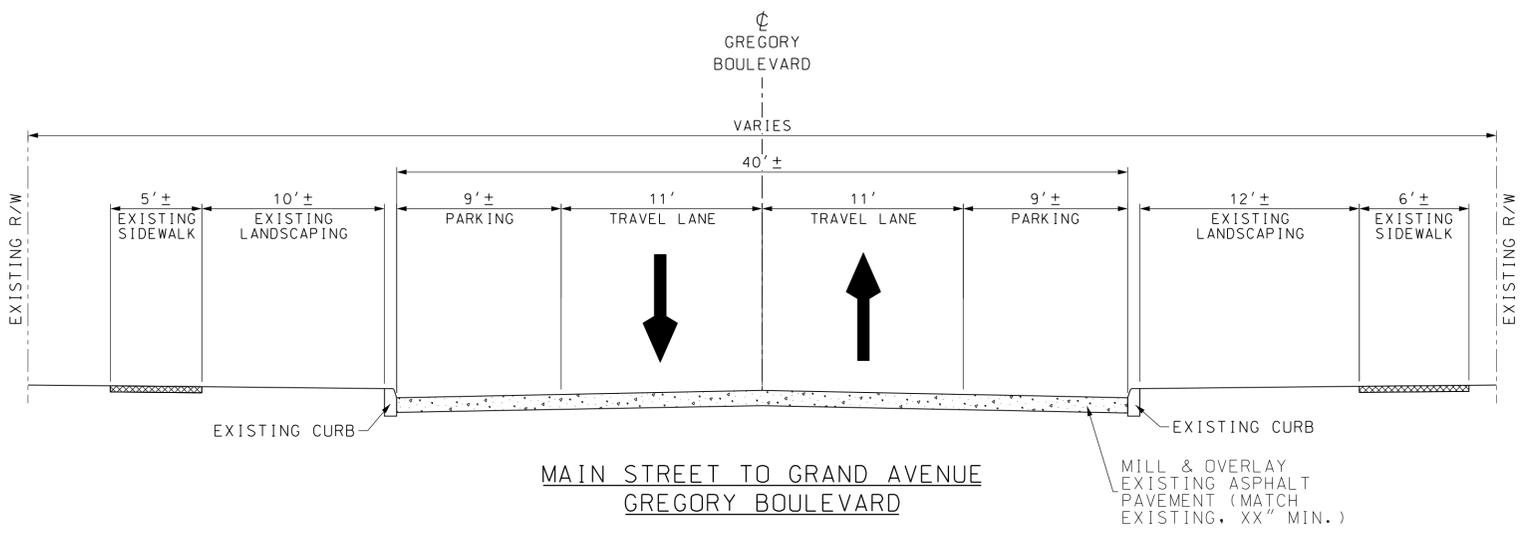
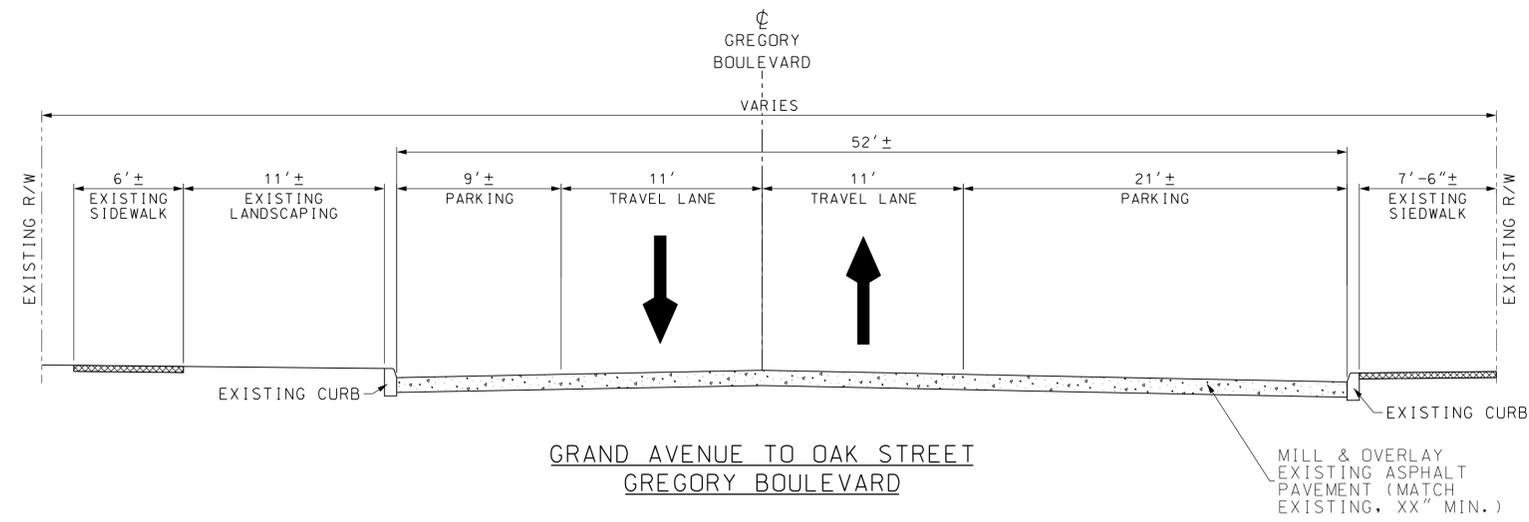
SURVEY CONTROL

SCALE FOR 22"x34": AS NOTED
FILENAME: 75525 - G005.dgn
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VOLUME: #1
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G005 5



GREGORY BLVD										
	POINT	STATION	NORTHING	EASTING	LENGTH	BEARING	RADIUS	XXX	CHORD LENGTH	CHORD BEARING
①	POB	10+00.00	1031522.24	2762068.28						
					1287.82'	E3° 11' 27"N				
②	PI	22+87.82	1031450.56	2763354.12						
					27.21'	E3° 7' 39"N				
③	PI	23+15.04	1031449.07	2763381.29						
					640.20'	E3° 12' 44"N				
④	PI	29+55.24	1031413.20	2764020.48						
					25.02'	E3° 33' 12"N				
⑤	PI	29+80.26	1031412.09	2764045.28						
					639.33'	E3° 15' 44"N				
⑥	POE	36+19.59	1031375.71	2764683.77						

REV	DATE	DESCRIPTION	DESIGNED BY WHM		60% SUBMITTAL	DATE: 04/02/21	GREGORY BOULEVARD STREETScape ALIGNMENT DETAIL	SCALE FOR 22"x34": AS NOTED
			CHECKED BY CJH		 <small>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</small>			FILENAME: 75525 - G006.dgn
			DRAWN BY JWP					CONTRACT NO.:
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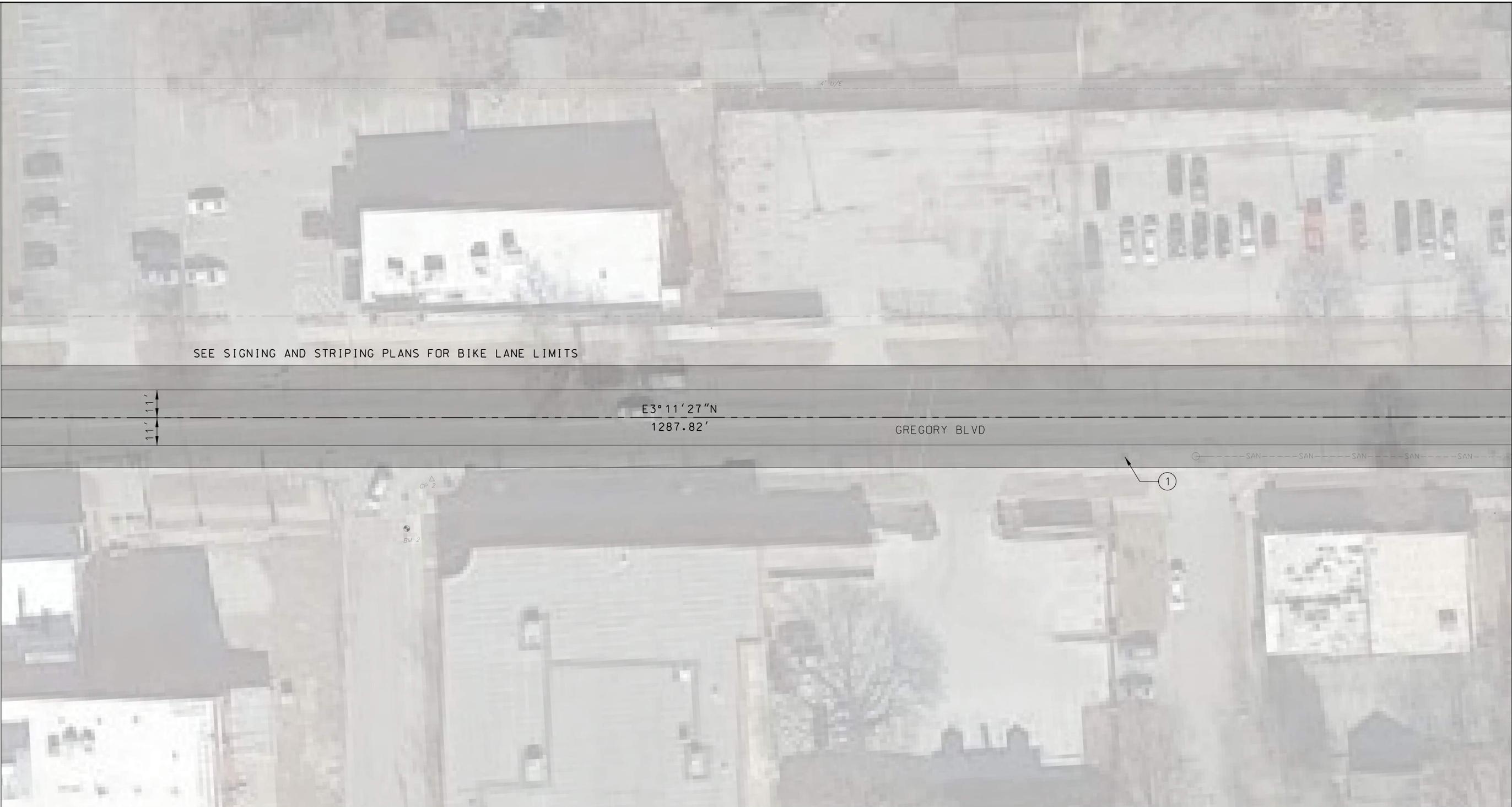
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GREGORY BOULEVARD STREETScape

TYPICAL SECTIONS

SCALE FOR 22"x34": NOT TO SCALE
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C001 7



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT
- ② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE
- ③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE
- ④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES
- ⑥ EXISTING STREET LIGHT TO REMAIN
- ⑦ PROTECT EXISTING TREE
- ⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION

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DRAWN BY	JWP
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DATE	12:05:28 PM

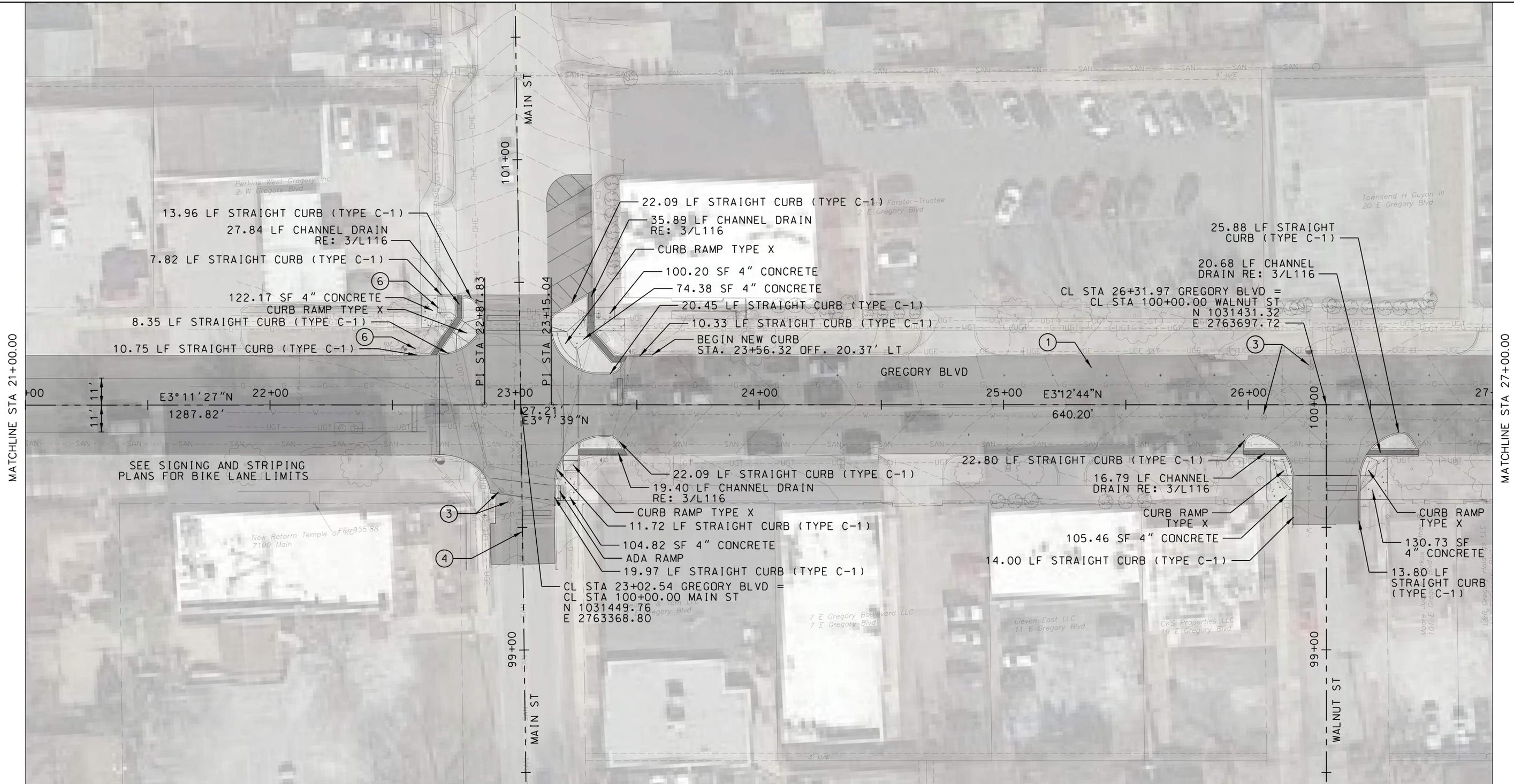


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HNTB <small>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</small>	
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GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
ROADWAY PLAN
STA 15+00.00 TO STA 21+00.00

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L102.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L102	9



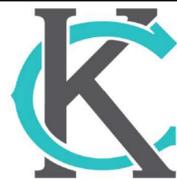
KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT
- ② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE
- ③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE
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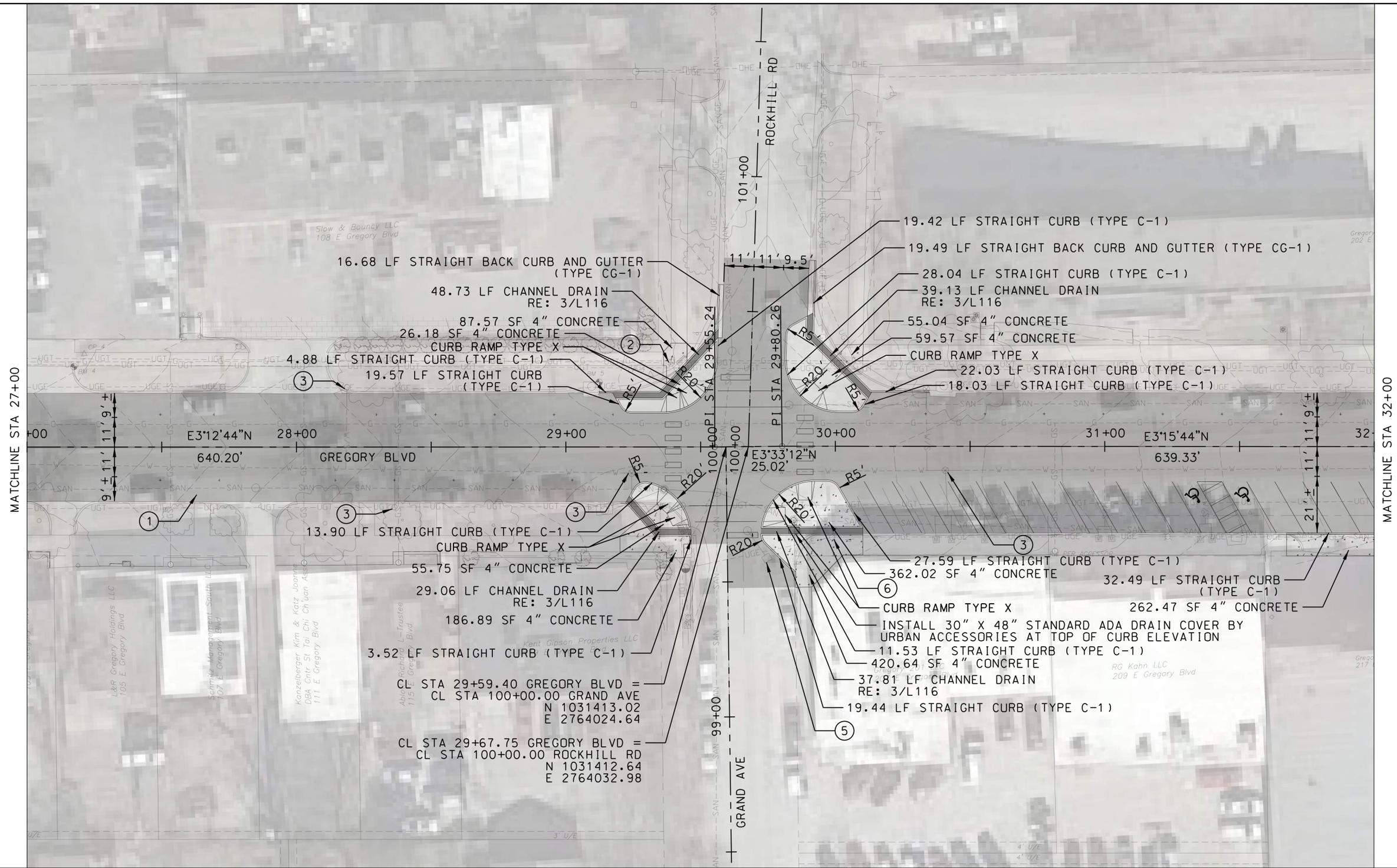
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 Phone: 816-472-1201

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GREGORY BOULEVARD STREETScape

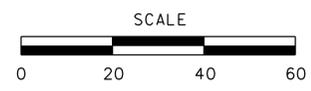
GREGORY BOULEVARD
 ROADWAY PLAN
 STA 21+00.00 TO STA 27+00.00

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L103.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L103	10



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT
- ② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE
- ③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE
- ④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES
- ⑥ EXISTING STREET LIGHT TO REMAIN
- ⑦ PROTECT EXISTING TREE
- ⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	



60% SUBMITTAL

DATE: 04/02/21

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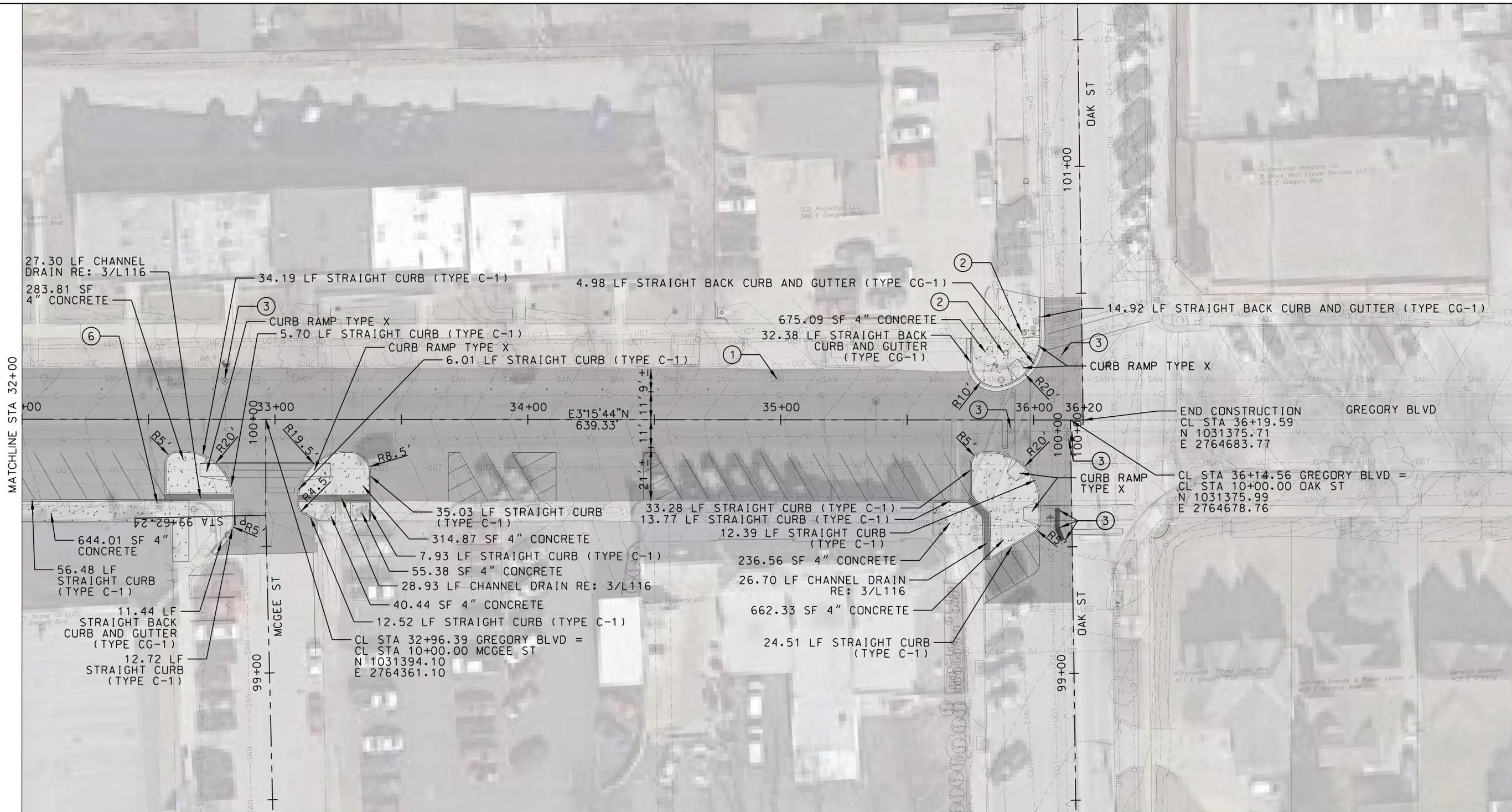
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 Kirk Drive
Kansas City, MO 64105
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GREGORY BOULEVARD STREETScape

**GREGORY BOULEVARD
ROADWAY PLAN
STA 27+00.00 TO STA 32+00.00**

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L104.dgn	
CONTRACT NO.:	
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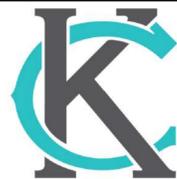
KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT
- ② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE
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- ⑥ EXISTING STREET LIGHT TO REMAIN
- ⑦ PROTECT EXISTING TREE
- ⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	



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DATE: 04/02/21

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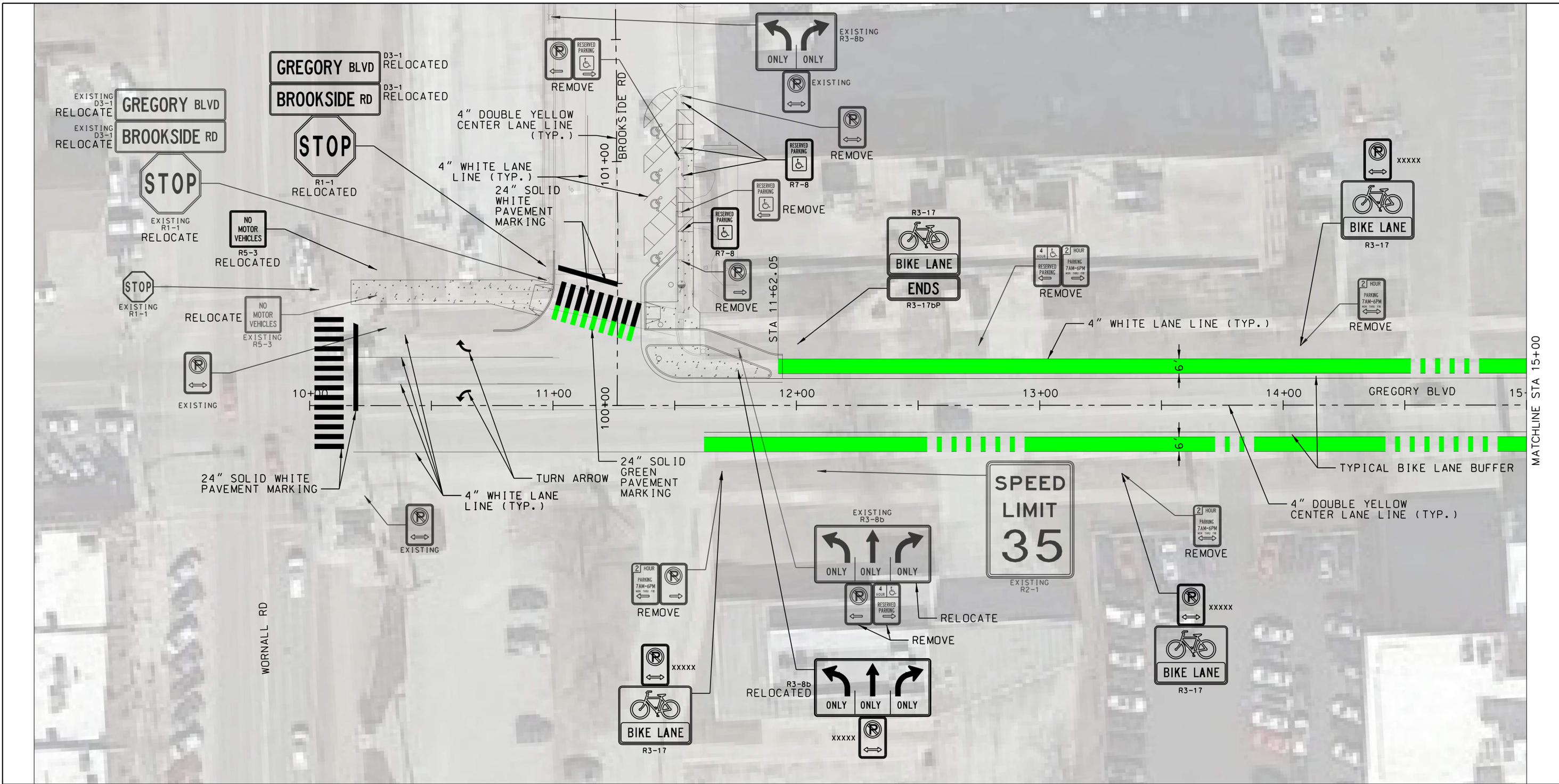
The HNTB COMPANIES
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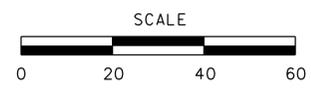
GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
ROADWAY PLAN
STA 33+00.00 TO STA 36+19.59

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L105.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L105	12



MATCHLINE STA 15+00



REV	DATE	DESCRIPTION

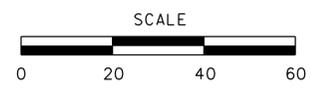
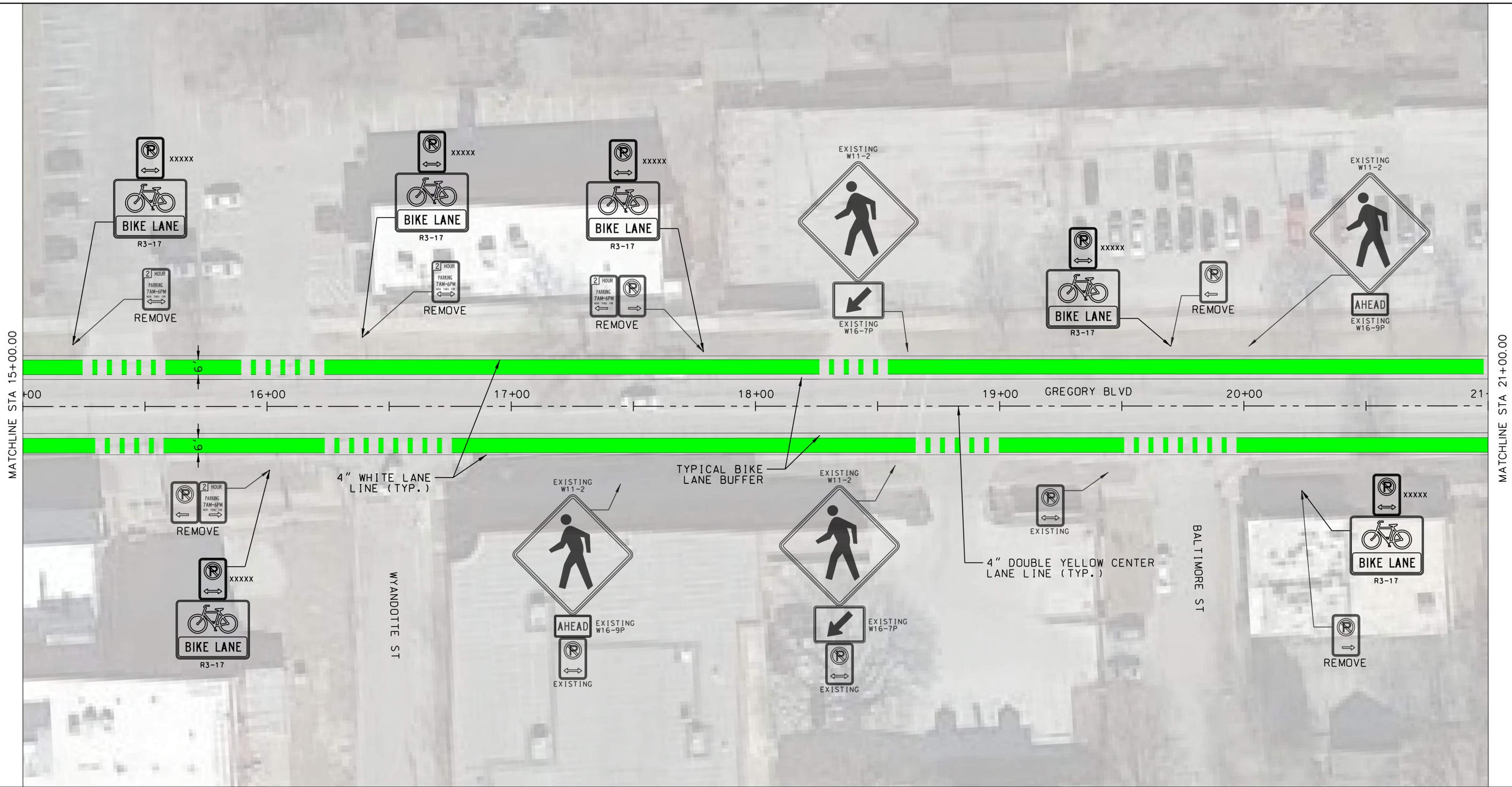
DESIGNED BY WHM
 CHECKED BY CJH
 DRAWN BY JWP
 CHECKED BY WHM
 APPROVED BY
 DATE



60% SUBMITTAL DATE: 04/02/21
HNTB
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GREGORY BOULEVARD STREETScape
 GREGORY BOULEVARD
 SIGNING AND STRIPING PLAN
 STA 10+00.00 TO STA 15+00.00

SCALE FOR 22"x34"
 AS NOTED
 FILENAME:
 75525 - L106.dgn
 CONTRACT NO.:
 VOLUME:
 #1
 DRAWING NO.: SHEET NO.:
L106 13



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	



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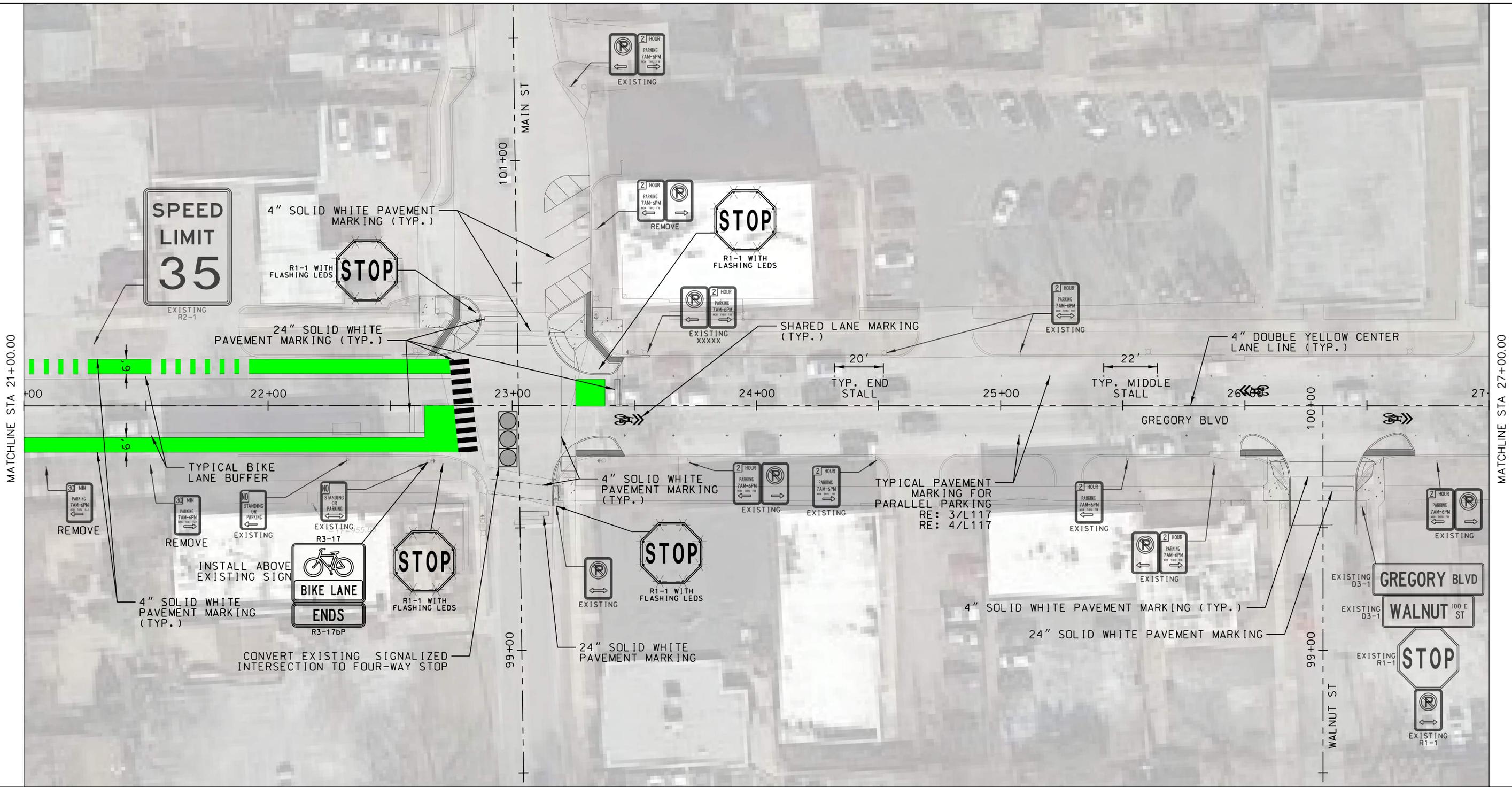
HNTB
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GREGORY BOULEVARD STREETScape

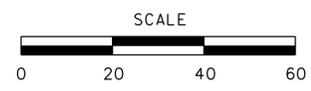
**GREGORY BOULEVARD
 SIGNING AND STRIPING PLAN
 STA 15+00.00 TO STA 21+00.00**

SCALE FOR 22"x34": AS NOTED
FILENAME: 75525 - L107.dgn
CONTRACT NO.:
VOLUME: #1
DRAWING NO.: SHEET NO.:
L107 14



MATCHLINE STA 21+00.00

MATCHLINE STA 27+00.00



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			DATE	12:07:01 PM



60% SUBMITTAL DATE: 04/02/21

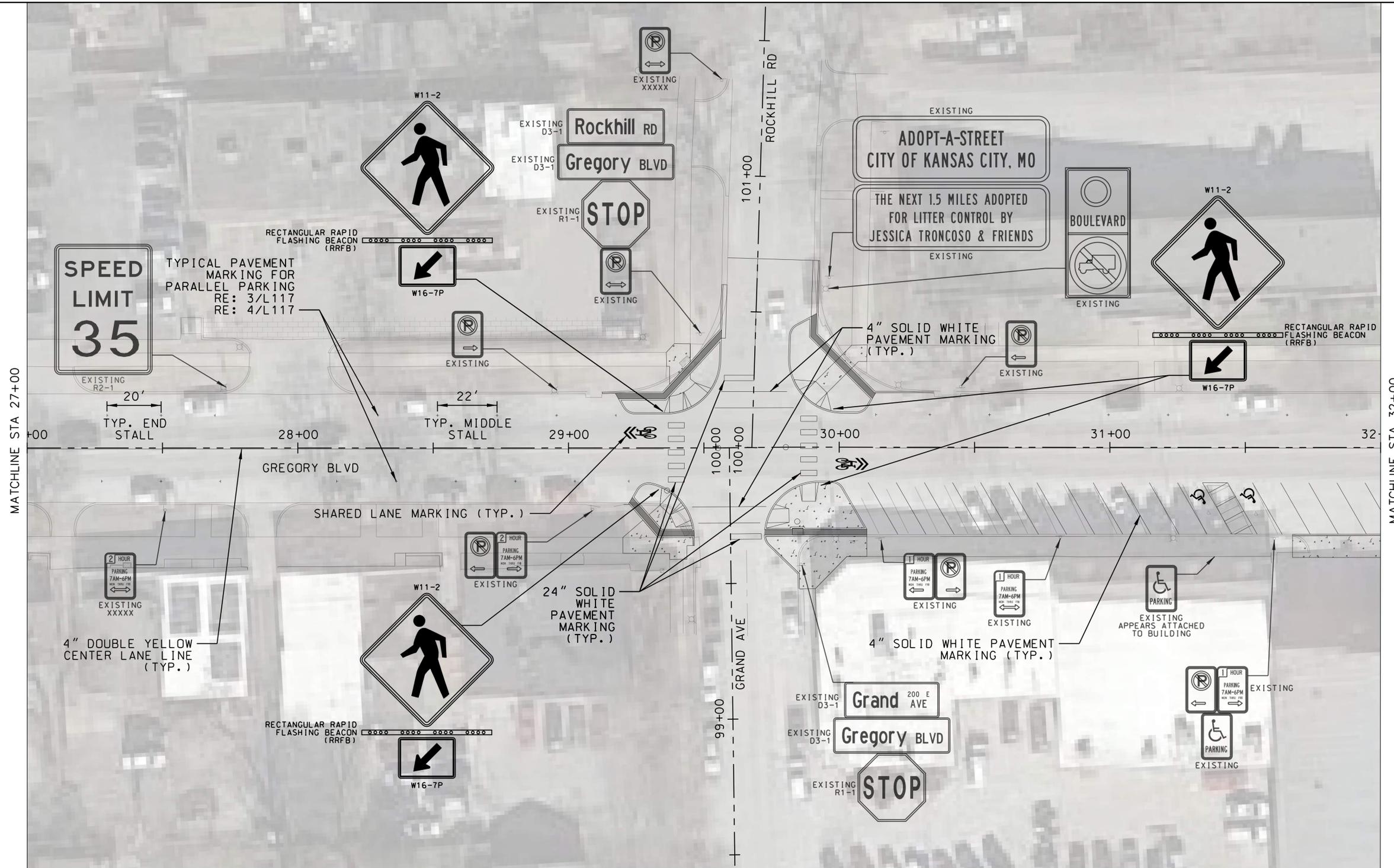
HNTB
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 715 Kirk Drive
 Kansas City, MO 64105
 Phone: 816-472-1201

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GREGORY BOULEVARD STREETScape

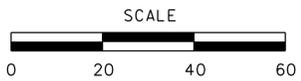
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 SIGNING AND STRIPING PLAN
 STA 21+00.00 TO STA 27+00.00

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L108.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L108	15



MATCHLINE STA 27+00

MATCHLINE STA 32+00



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	



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DATE: 04/02/21

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Phone: 816-472-1201

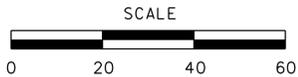
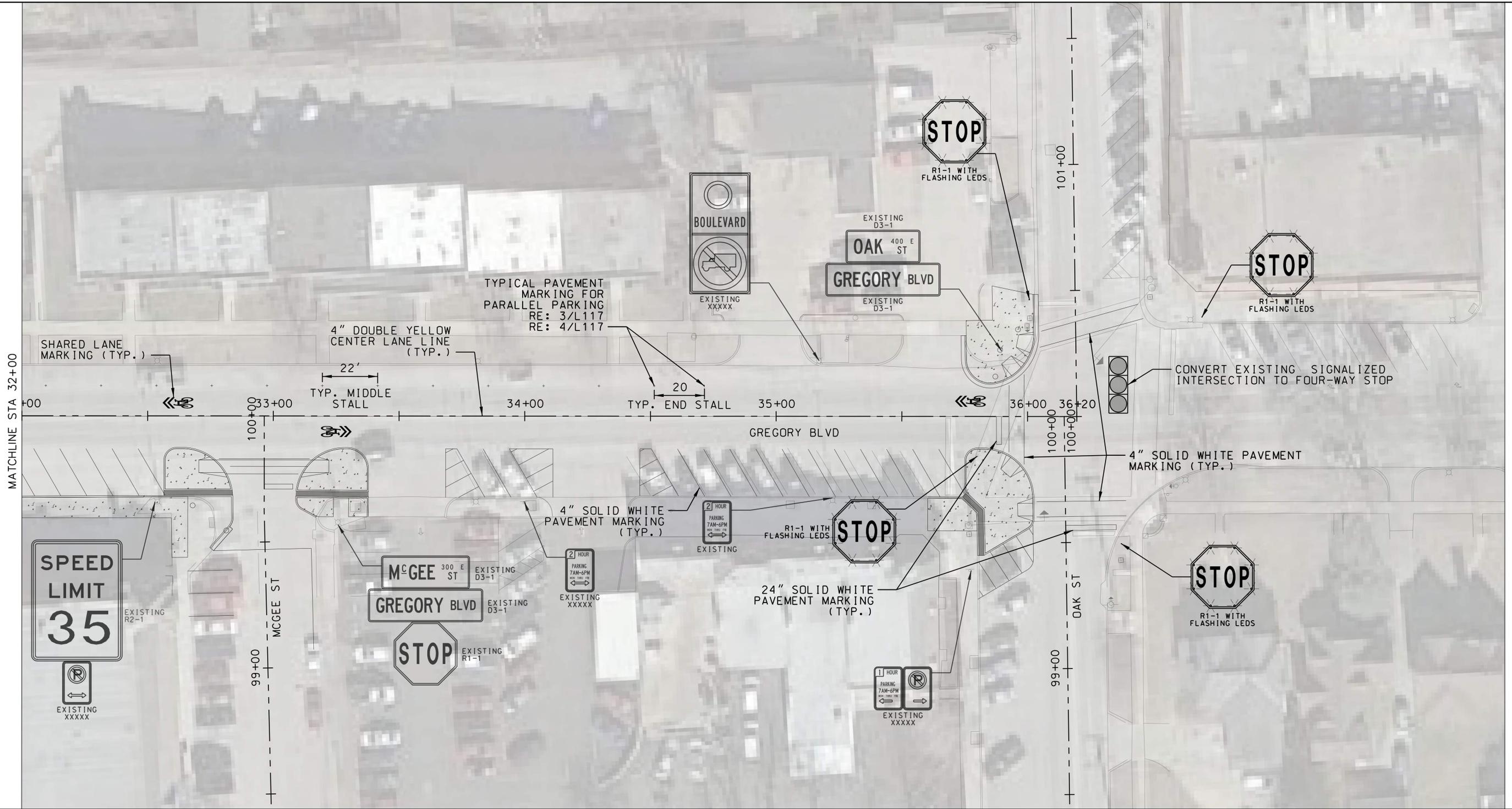
NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

**GREGORY BOULEVARD
SIGNING AND STRIPING PLAN
STA 27+00.00 TO STA 32+00.00**

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L109.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L109	16

PLOT DATE: 04/02/21 12:07:11 PM



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	
DATE	12-07-18 PM



60% SUBMITTAL

DATE: 04/02/21

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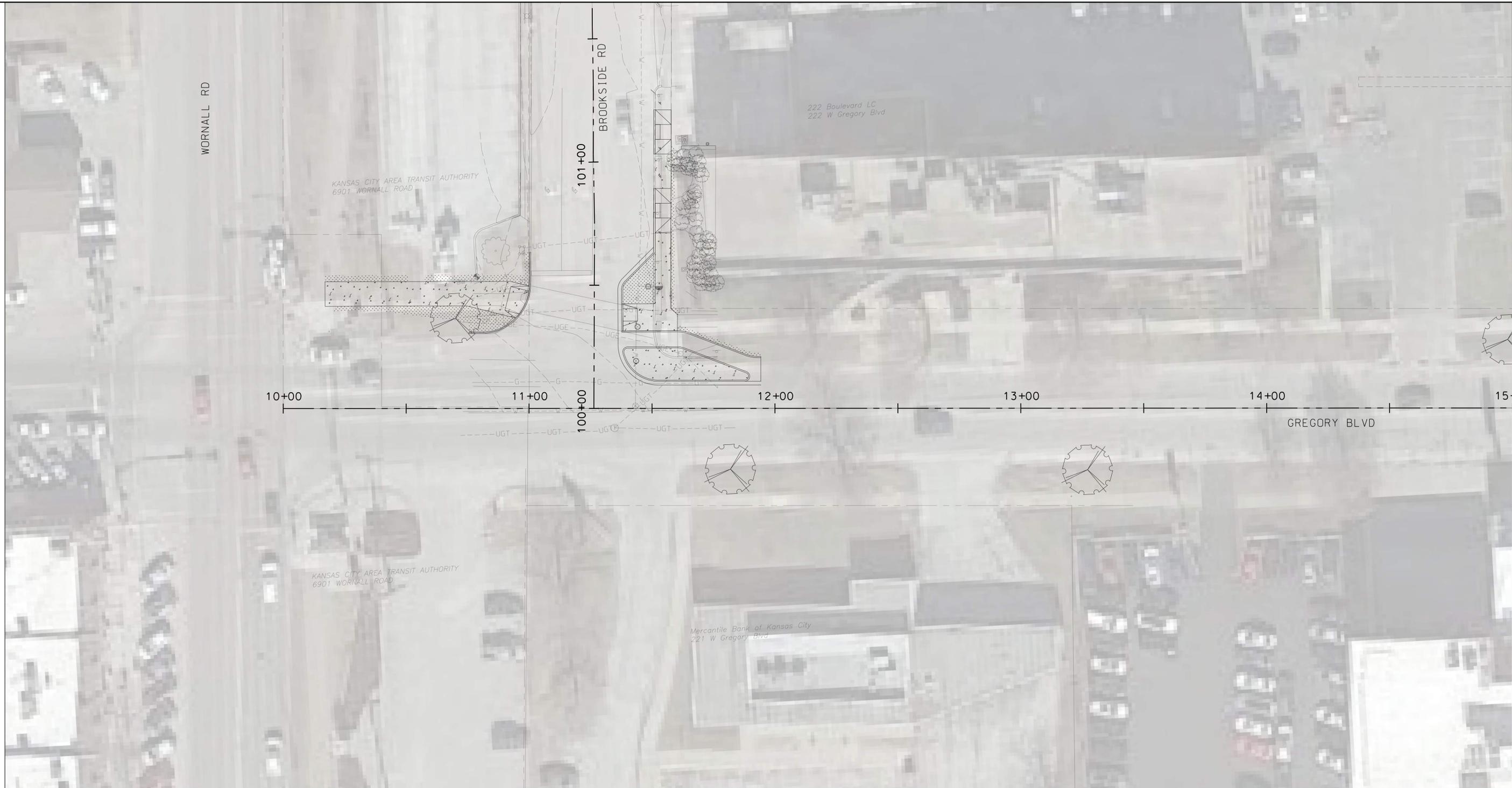
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GREGORY BOULEVARD STREETScape

**GREGORY BOULEVARD
 SIGNING AND STRIPING PLAN
 STA 33+00.00 TO STA 36+19.59**

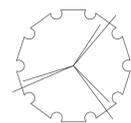
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FILENAME: 75525 - L110.dgn
CONTRACT NO.:
VOLUME: #1
DRAWING NO.: SHEET NO.:
L110 17



LANDSCAPE NOTES

1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
2. SEE C-XXX FOR PLANT SCHEDULE

LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDY MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			DATE	12:07:27 PM



60% SUBMITTAL DATE: 04/02/21

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GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 10+00.00 TO STA 15+00.00

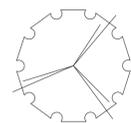
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FILENAME: 75525 - L111.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L111	18



LANDSCAPE NOTES

1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
2. SEE C-XXX FOR PLANT SCHEDULE

LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDY MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	
DATE	12:07:35 PM



60% SUBMITTAL DATE: 04/02/21

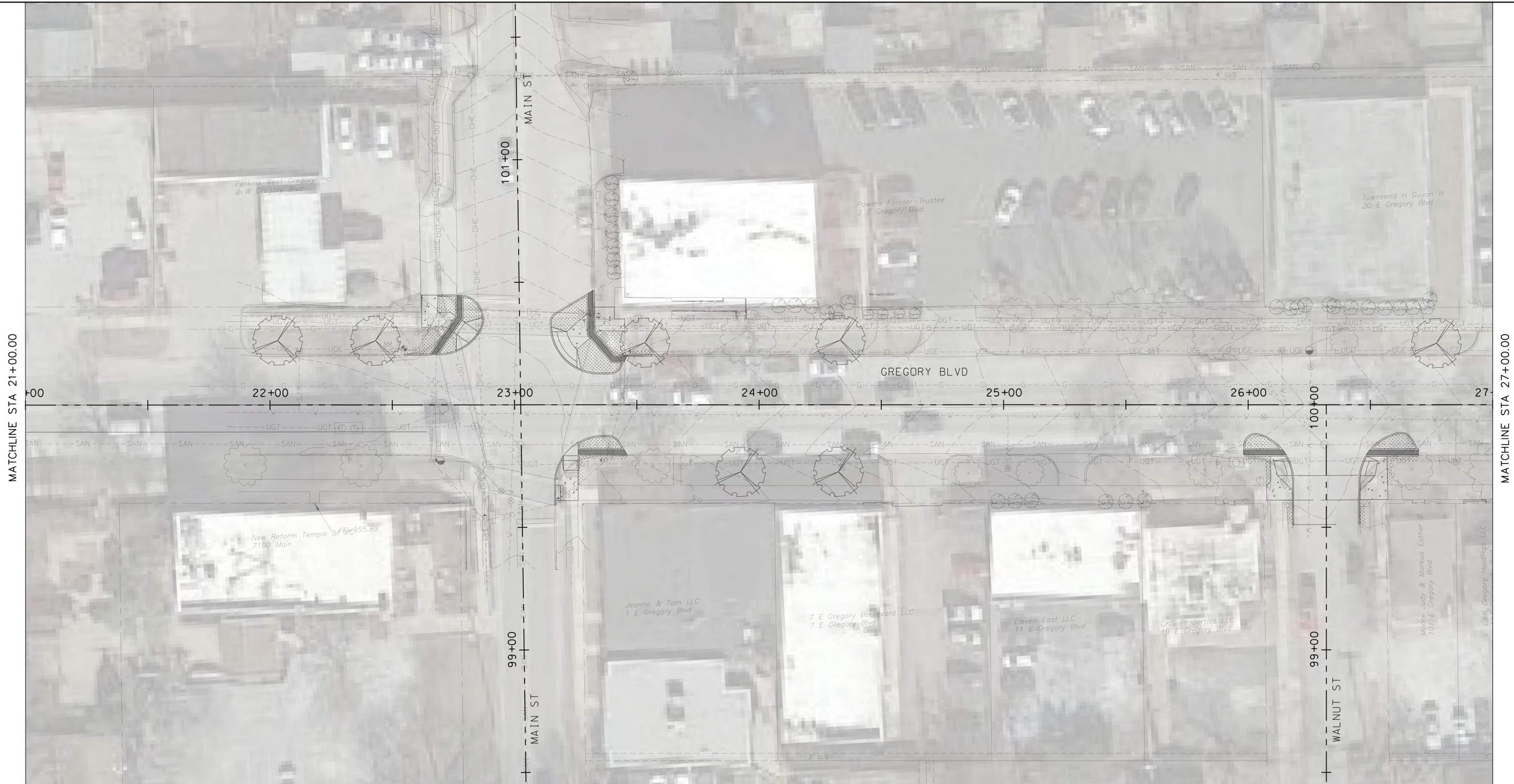
HNTB
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Kansas City, MO 64105
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GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 15+00.00 TO STA 21+00.00

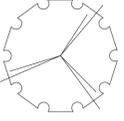
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CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L112	19



LANDSCAPE NOTES

1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
2. SEE C-XXX FOR PLANT SCHEDULE

LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDO MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
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PLOT DATE: 04/02/21 12:07:43 PM DATE



60% SUBMITTAL DATE: 04/02/21

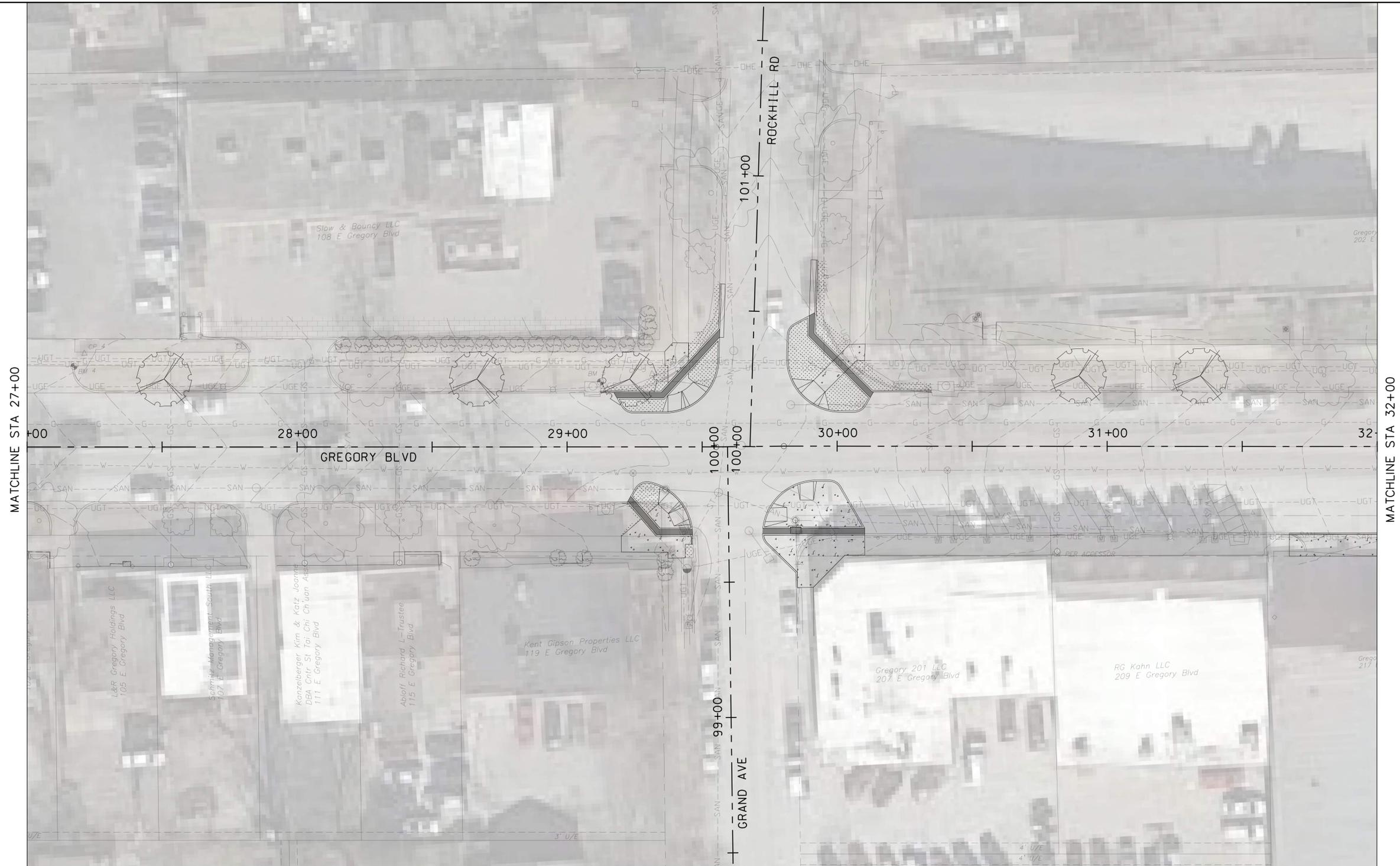
HNTB
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GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 21+00.00 TO STA 27+00.00

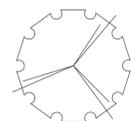
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CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L113	20



LANDSCAPE NOTES

1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
2. SEE C-XXX FOR PLANT SCHEDULE

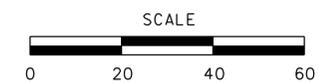
LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDO MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
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			APPROVED BY	



60% SUBMITTAL DATE: 04/02/21

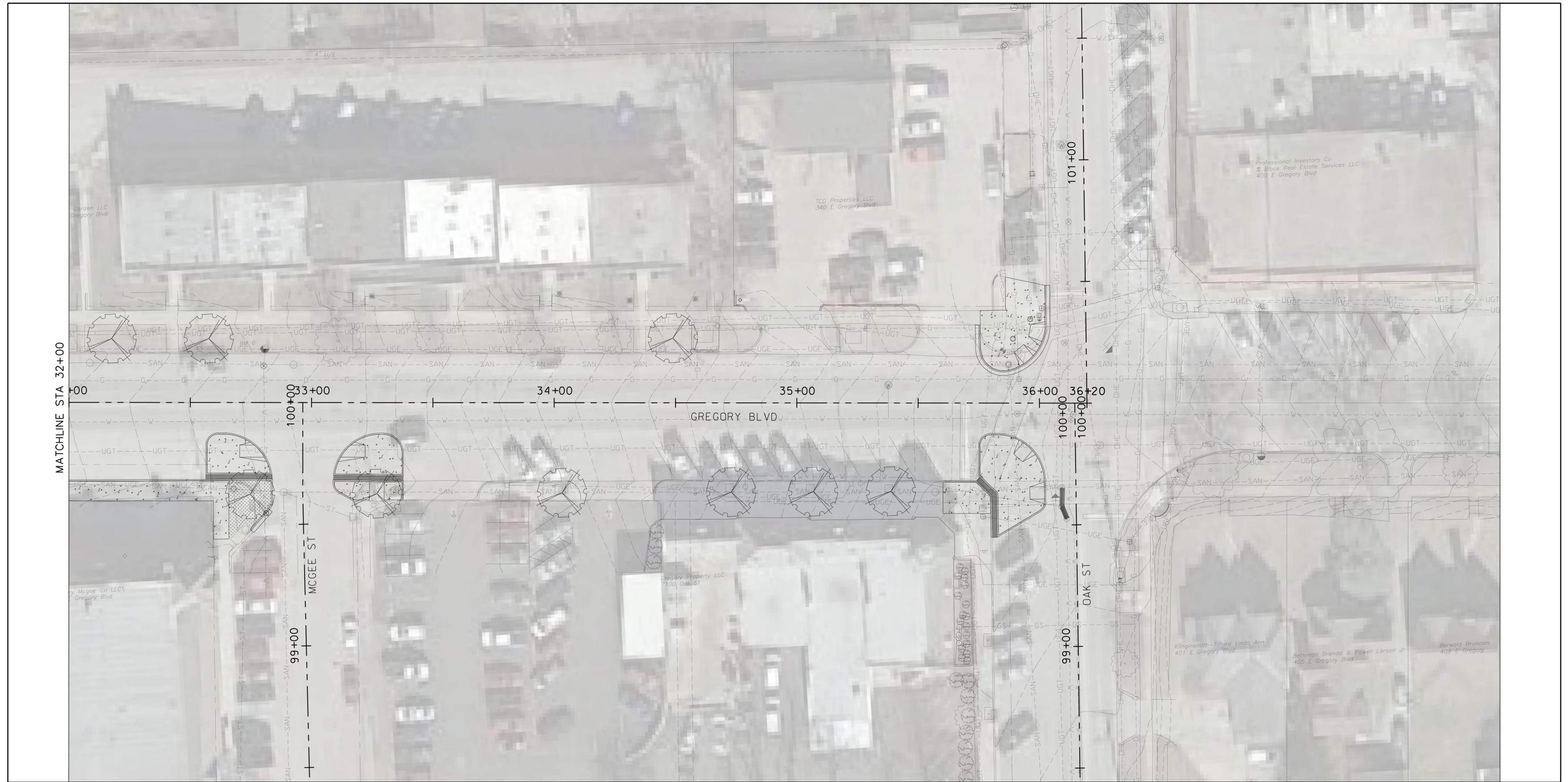
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GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 27+00.00 TO STA 32+00.00

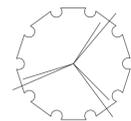
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CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L114	21



LANDSCAPE NOTES

1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
2. SEE C-XXX FOR PLANT SCHEDULE

LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
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 - CADDY MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')

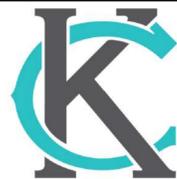


SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
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PLOT DATE: 04/02/21 12:08:00 PM DATE



60% SUBMITTAL DATE: 04/02/21

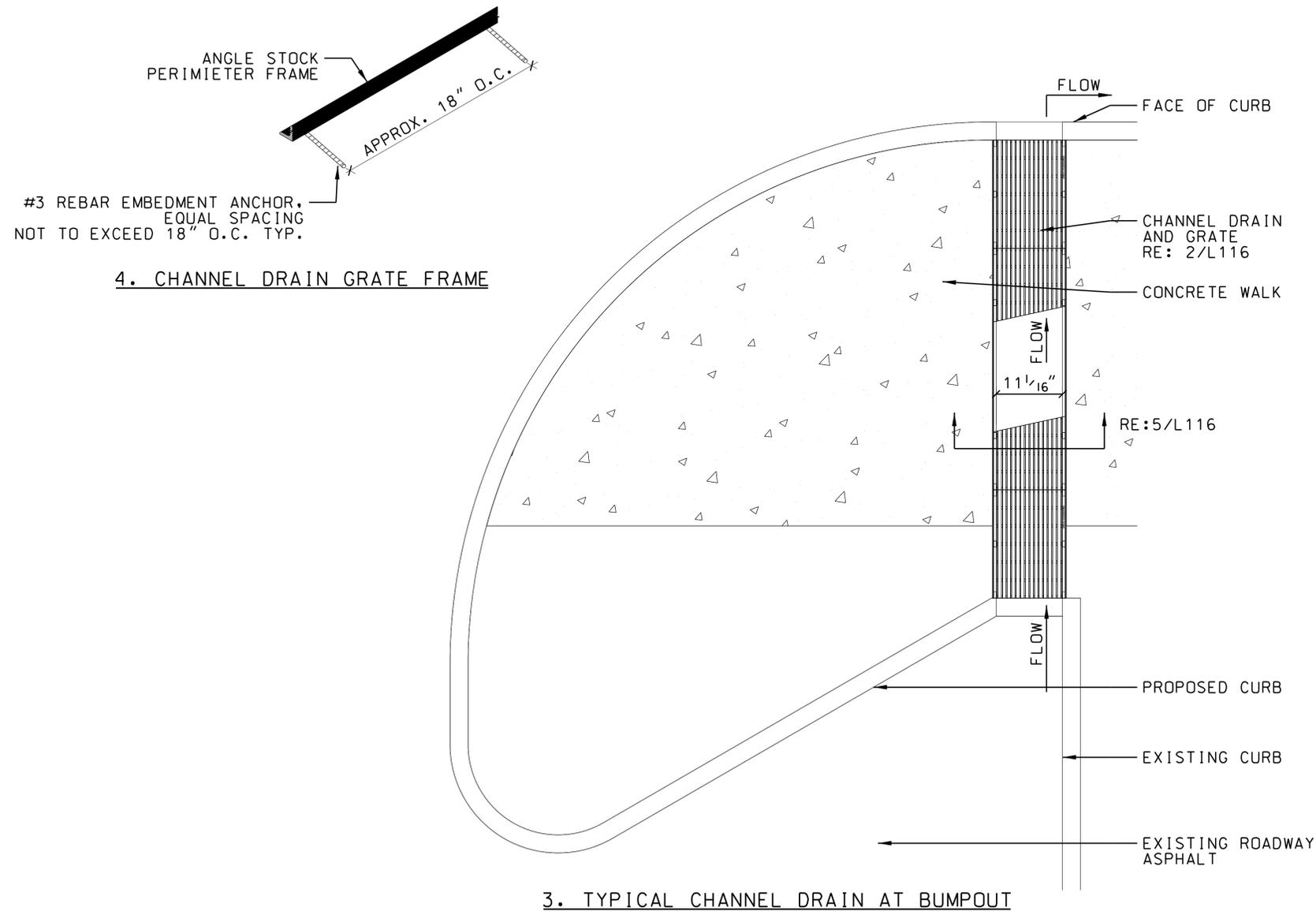
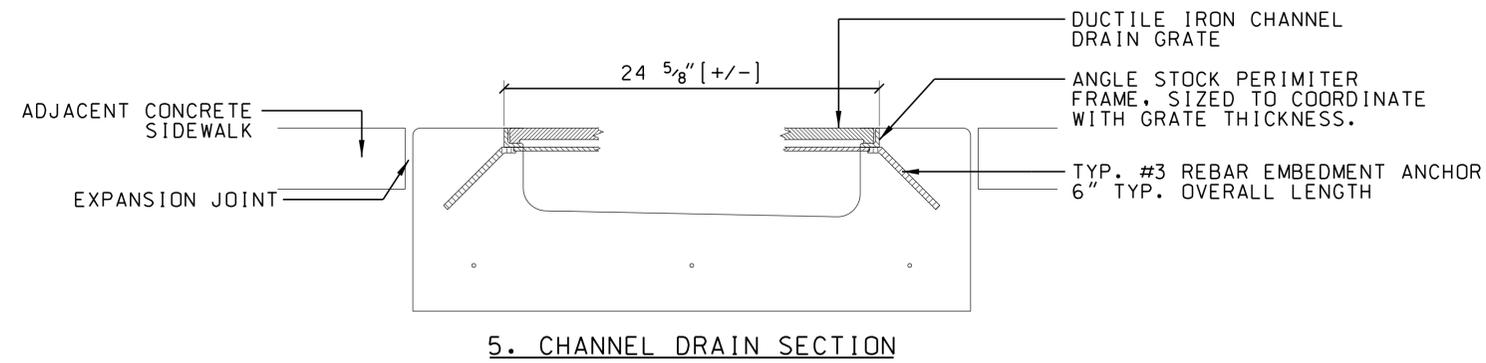
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Kansas City, MO 64105
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GREGORY BOULEVARD STREETScape

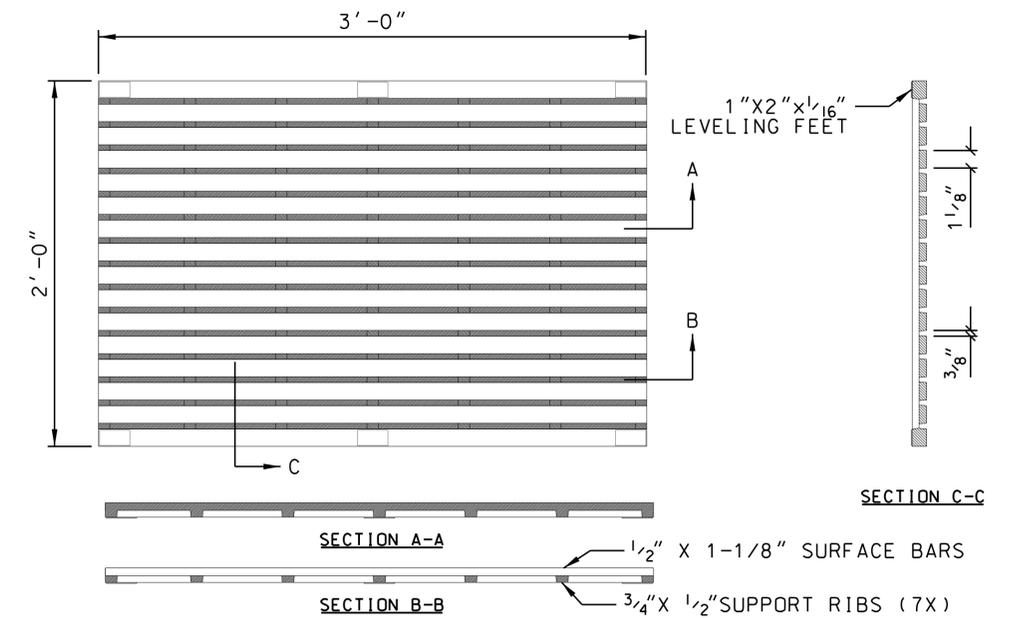
**GREGORY BOULEVARD
LANDSCAPE PLAN
STA 33+00.00 TO STA 36+19.59**

SCALE FOR 22"x34": AS NOTED	
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CONTRACT NO.:	
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L115	22

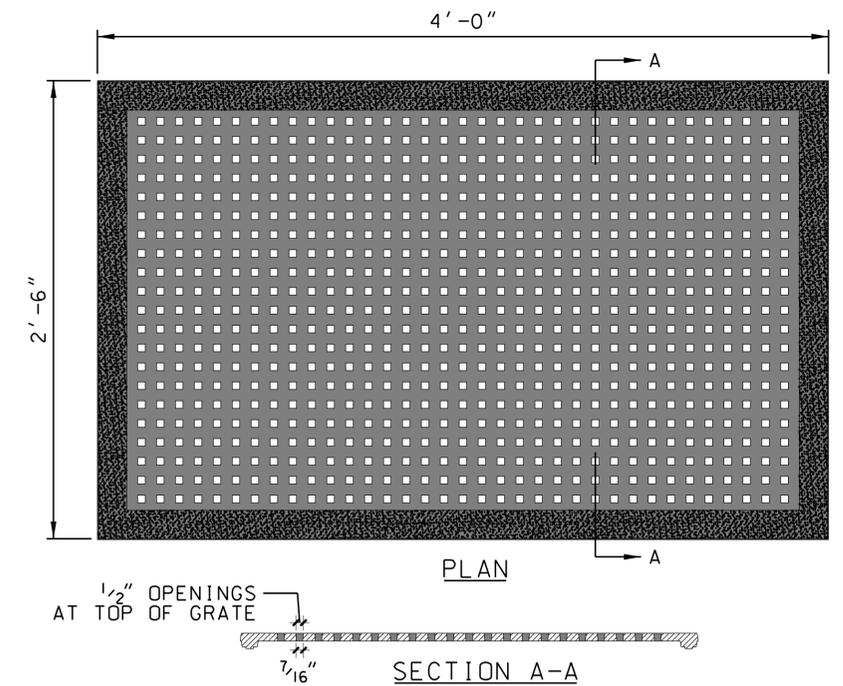


3. TYPICAL CHANNEL DRAIN AT BUMPOUT

CHANNEL GRATE DRAIN TO BE 24"X36" RAINBOW TRENCH GRATE BY URBAN ACCESSORIES OR APPROVED EQUAL.



CHANNEL GRATE DRAIN TO BE 30"X48" STANDARD ADA DRAIN COVER BY URBAN ACCESSORIES OR APPROVED EQUAL.



1. INLET DRAIN ACCESS COVER

REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	

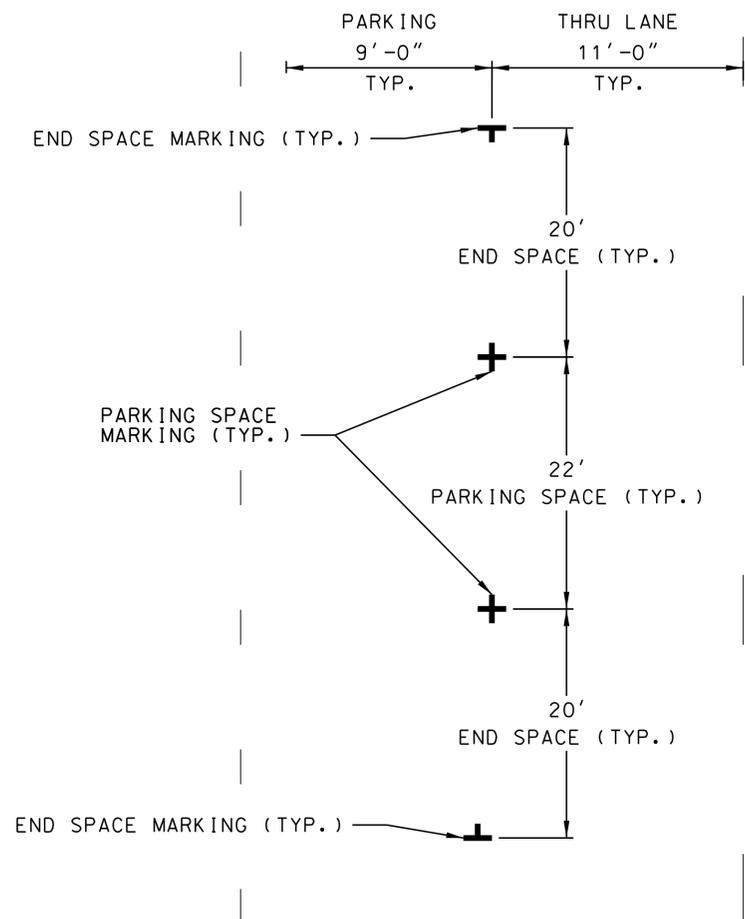


60% SUBMITTAL	DATE: 04/02/21
HNTB	
The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	
NOT FOR CONSTRUCTION	

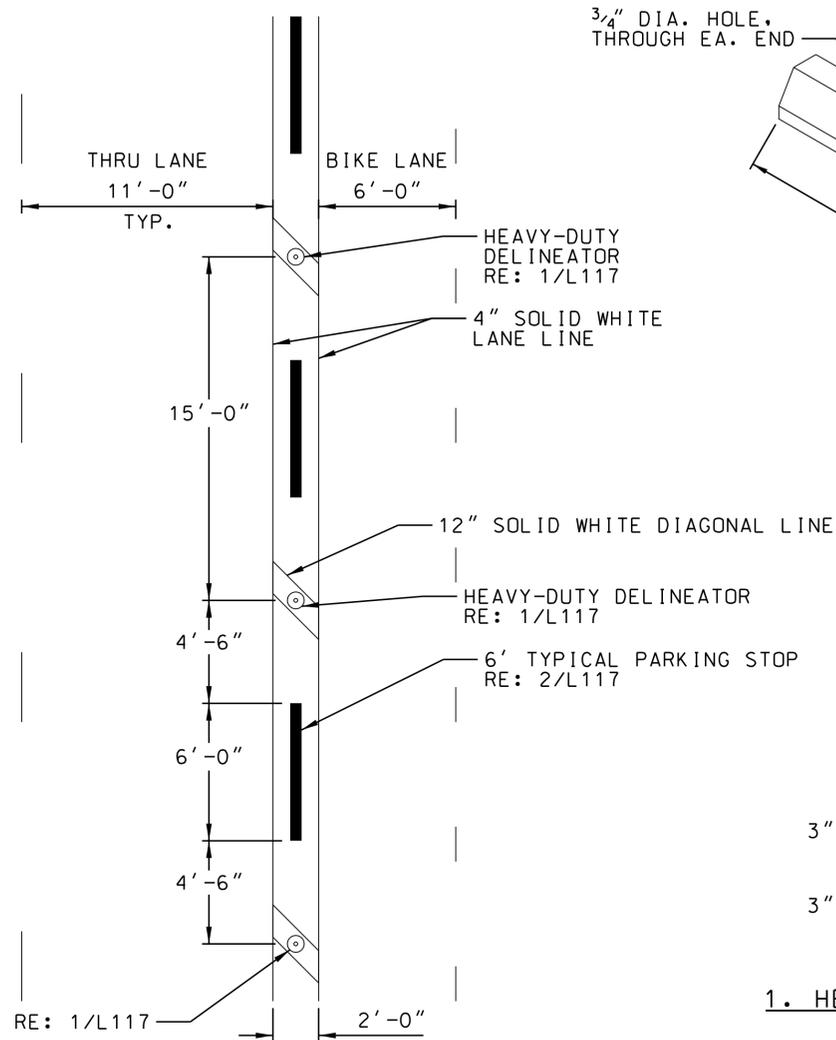
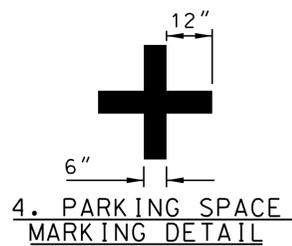
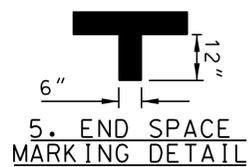
GREGORY BOULEVARD STREETSCAPE

DETAIL 1

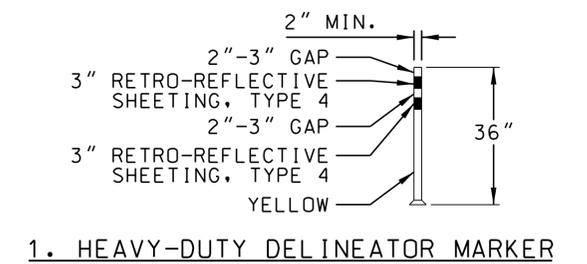
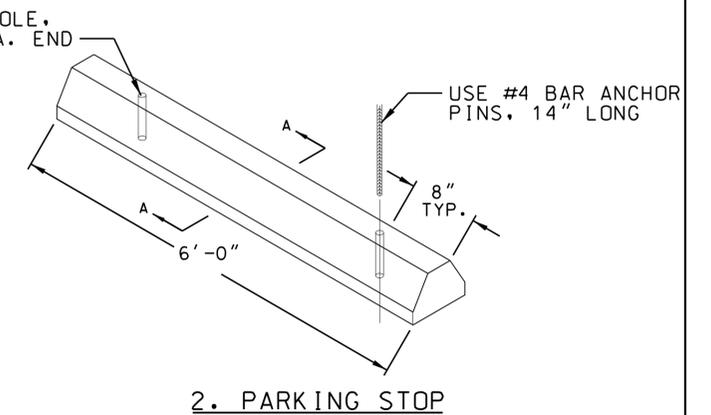
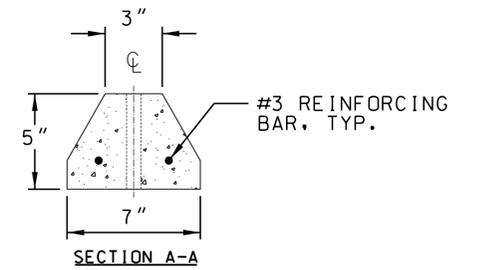
SCALE FOR 22"x34": NOT TO SCALE
FILENAME: 75525 - L116.dgn
CONTRACT NO.:
VOLUME: #1
DRAWING NO.: SHEET NO.:
L116 23



6. TYPICAL PARALLEL PARKING DETAIL



3. TYPICAL BIKE LANE BUFFER DETAIL



1. HEAVY-DUTY DELINEATOR MARKER

REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	
DATE	04/02/21



60% SUBMITTAL DATE: 04/02/21

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GREGORY BOULEVARD STREETScape

DETAIL 2

SCALE FOR 22"x34": NOT TO SCALE
FILENAME: 75525 - L117.dgn
CONTRACT NO.:
VOLUME: #1
DRAWING NO.:
SHEET NO.:
L117 24